

Discussion Guide for January 23rd Meeting

SaMS Non-Traditional BMP Workgroup

During this meeting, we will wrap-up our discussions on action items identified at our [previous meeting in October 2019](#) and finalize recommendations this workgroup desires to put forth for inclusion in the SaMS document.

Re-Cap from 3rd Meeting:

Below is a summary of the action items discussed during the 3rd meeting (held Oct. 3, 2019) of the Non-Traditional BMP Workgroup.

1. Non-Chloride Deicer Matrix
 - a. Not much discussion on this matrix, which summarizes the currently known, effective non-chloride deicers. As a result, there were no comments that warranted further revisions of this item.
2. Comparison of Existing Certification/Training Programs
 - a. 10 programs were identified and given a cursory review. Of those, 5 were given a more detailed review.
 - b. The substantive revision since the October 2019 meeting was to include Snow and Ice Management Association (SIMA) in the comprehensive overview, which was inadvertently left out (only 4 had been reviewed in the document shared at that meeting). Formatting and revisions to improve readability were also made.
 - c. The workgroup decided this information should be provided as a resource only in the SaMS document.
3. Contract Language for Non-Transportation Winter Maintenance
 - a. At October 2019 meeting, the workgroup decided not to proceed with drafting a recommendation that addresses winter maintenance contracts for properties and parking lots due to concerns of limited expertise to advise on topics with potential legal ramifications. The group recommended this topic be a future recommendation for consideration.
4. Process for Piloting New Deicers/Mixtures: Updated per comments
 - a. During the Oct. 2019 meeting, discussion on this topic resulted in a recommendation to revise the process to address several comments, such as what is considered “favorable,” and to include chronic toxicity effects as well.
5. Resident and Commuter/Driver BMPs
 - a. Workgroup members discussed the content of both the resident BMPs and driver/commuter BMPs and offered comments for consideration. Those proposed

for drivers/commuters were recommended to be shortened due to anticipated delivery through social media and to be more aligned with SaMS.

- b. It was noted that the content of both set of BMPs, with help of DEQ Communications staff, would be turned into a format (such as a pamphlet for resident BMPs and infographic for drivers BMPs) that could be distributed.
- c. Fairfax County and VDOT volunteered to assist in review of the content revised per these discussions.
- d. In response to the feedback, the content was developed into a pamphlet for the resident BMPs and an infographic for the commuter/driver BMPs.

Action Items: Discussion and Wrap-Up

Summarized below are the revisions to each action items to facilitate discussion.

1. Commuter / Driver Best Practices

- a. Shortened to accommodate anticipated format for sharing (i.e. social media) and also to be more closely aligned with SaMS.
- b. Those proposed are ones that, in combination and in time, could help reduce over application of salt.
- c. Developed into an [infographic](#) (.zip; 2 files with different orientations) that can be shared via social media.

2. Resident Best Practices

- a. Revised to address comments received during Oct. 2019 meeting.
- b. Documents shared at the Oct. 2019 were re-organized to provide greater clarity.
 - i. [Residents Winter Smart Salting Quick Guide](#)
 - 1. Developed into a pamphlet that is ready to use/distribute
 - ii. [Webpages for Residential BMPs.docx](#)
 - 1. Document identifies the information it contains is intended to be broken into 3 different webpages on a future SaMS website. A table of contents was added to help clarify that intent.

3. Process for Piloting New Deicers / Mixtures

- a. Addressed comment recommending that the framework for piloting new deicers or mixtures identify threshold values for what should be considered “favorable” by creating a new document entitled “[Identifying “Favorable” Thresholds for New Deicers or Mixtures of Deicers Piloting Framework](#).” This includes discussion of acute and chronic toxicity thresholds.

Summary of Workgroup's Products/Recommendations

Below is a summary of the products and/or recommendations the Non-Traditional BMP Workgroup has developed for inclusion into the SaMS document. During this 4th and final meeting, we will discuss these and confirm (through polling) those identified below are supported by the workgroup for inclusion into the SaMS document.

1. Summary Evaluation of Non-chloride Deicers

a. Document:

- i. [Comparison of Non-chloride Deicers \(presented as a matrix\)](#)

b. Proposed to be provided in the SaMS document as a resource only.

2. Process for Piloting New Deicers/Mixtures

a. Document:

- i. [Identifying “Favorable” Thresholds for the New Deicers or Mixtures of Deicers Piloting Framework](#)
- ii. [Process for Piloting New Compounds or Mixtures](#)

b. Proposed to be provided in the SaMS document as a resource only.

3. Overview of Existing Certification/Training Programs transferable to Virginia

a. Document:

- i. [Evaluation of Winter Service Provider Certification Programs](#)

b. Proposed to be provided in the SaMS document as a resource only.

4. Best Practices for Residents

a. Document:

- i. [Residents Winter Smart Salting Quick Guide \(pamphlet\)](#)
- ii. [Webpages for Residential BMPs.docx](#)

b. Proposed to be presented in the SaMS doc as recommended best practices for individuals to implement around their properties. A briefer version, in the form of a pamphlet, suitable for distribution to the general public will also be included.

5. Best Practices for Drivers / Commuters

a. Document:

- i. [Driver BMP Infographic](#) (.zip; 2 files with different orientations)

- b. Proposed to be presented in the SaMS doc. as recommended best practices for drivers/commuters. Also, for outreach purposes, an infographic designed for distribution via social media will also be included.
6. Recommendations for Future Action and/or Consideration:
- a. Contract Language for Non-Transportation Winter Maintenance (i.e. properties and parking lots): After some experience in implementation and learning from other entities that are just now adding this type of language into property maintenance contracts, consider drafting language that could be included in these types of contracts that addresses implementing best practices. Recommend this be done in consultation with persons who have relevant legal background.
 - b. Certification/Training Programs: After some experience in implementation, recommend revisiting the concept of certification and whether there is support to recommend certification as a best practice.
 - c. Support for research and pilot programs on non-chloride deicers to identify the efficiency, potential availability, and economic viability and cost benefits of deicing alternatives to chloride deicers with fewer human health and environmental effects.